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|          | 5        |          |                             |                      | First Name Inventor     | Alanine    |                        |
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| <b>3</b> | She      |          | of                          | 1                    | Attorney Docket Number  | 21237      |                        |
| TRADE    | MARIE    |          |                             | U.S. PA              | TENT DOCUMENTS          |            |                        |
|          | Evaminer | Cite     | Ţ                           | J.S. Patent Document | Name of Patentee or Ann | licant of  | Date of Publication of |

| Examiner              | Cite         | U.S. Patent Doo                          | cument                                 | Name of Patentee or Applicant of                   |               | Date of Publication        | an af |  |
|-----------------------|--------------|--|--|--|---------------|----------------------------|-------|--|
| Initials'             | No.'         | Kind Code <sup>2</sup> Number (if known) |  | Cited Document                                     |               | Cited document  MM-DD-YYYY |       |  |
| u                     | A2           | 2002/019383                              |  | Achard, et al.                                     | chard, et al. |                            |       |  |
| is                    | A3           | 2001/034344 Mittend                      |  | Mittendorf, et al.                                 |               | 10-25-2001                 |       |  |
| n                     | A4           | 6,432,984                                |  | Barth, et al.                                      |               | 08-13-2002                 |       |  |
|                       |              |  |  |  |               |                            |       |  |
|                       |              | 1  |  |  |               |                            |       |  |
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|                       |              |  |  | TENT DOCUMENTS                                     | 1 _           |                            | T-2:  |  |
| Examiner<br>Initials' | Cite<br>No.' | Foreign Patent Docu                      | ıment                                  | Name of Patentee or<br>Applicant of Cited Document | 1             | Date of Publication of T   |       |  |
|                       |              | Office <sup>3</sup> Number               | Kind Code <sup>5</sup> (if known)      |  | MM-DD-YYYY    |                            |       |  |
| a                     | B15          | WO 92 18490                              |  | Hoffmann-La Roche                                  | 10-           | )-29-1992                  |       |  |
|                       | B16          | FR 2 789 078                             |  | Sanofi SA  | 08-           | 04-2000                    | 1     |  |
|                       | B17          | WO 01 28557                              |  | University of Connecticut                          | 04-           | 26-2001                    |       |  |
|                       | B18          | WO 01 29007                              | ×                                      | University of Connecticut                          | 04-           | 26-2001                    |       |  |
|                       | B19          | WO 02 36590                              |  | Amrad Operations Pty Ltd.                          | 05-           | 10-2002                    |       |  |
| d                     | B20          | WO 02 42248                              |  | Novartis AG  | 05-           | 30-2002                    |       |  |
|                       |              |  |  |  |               |                            | -     |  |
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\*Unique citation designation number. See attached Kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documenta, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. I Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation or abstract is attached.

| Substitute for form 1449A/PTO     | Complete if Known      |               |  |
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| INFORMATION DISCLOSURE            | Application Number     | 10/626,681    |  |
| STATEMENT BY APPLICANT            | Filing Date            | July 24, 2003 |  |
| ic and in                         | First Name Inventor    | Alanine       |  |
| (Use several sheets if necessary) | Group Art Unit         |               |  |
|                                   | Examiner Name          |               |  |
| TRADEN Sheet 2 of 2               | Attorney Docket Number | 21237         |  |

NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published Cite No.1 Examiner Initials' PATENT ABSTRACTS OF JAPAN, Vol. 015, No. 001, (1991) C22 & JP 02 0255673 A., FUJI PHOTO FILM CO LTD, (1990) DATE Examiner

Signature CONSIDERED 23/04
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'Unique citation designation number. 'Applicant is to place a check mark here if English language Translation or abstract is attached.

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Substitute for form 1449A/PTO Complete if Known Application Number 10/626,681 NFORMATION DISCLOSURE AUG 2 9 2003 STATEMENT BY APPLICANT Filing Date July 24, 2003 EN TREDE First Name Inventor Alanine (Use several sheets if necessary) Group Art Unit **Examiner Name Attorney Docket Number** Sheet of 2 21237 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication of Examiner Cite Name of Patentee or Applicant of Kind Code<sup>3</sup> Cited Document Cited document Initials' No.1 Number (if known) MM-DD-YYYY 04-29-1997 A1 5,624,941 Barth, et. al. FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication of Examiner Cite Name of Patentee or Cited Document Office<sup>3</sup> Kind Code<sup>3</sup> Number No.1 Applicant of Cited Document MM-DD-YYYY Initials' (if known) BI EP658546 SANOFI-06-21-1995 **SYNTHELABO** EP656354 **SANOFI** 06-07-1995 B<sub>2</sub> EP576357 06-07-1995 **B3 SANOFI** BIGADAN A/S, **B4** EP 0216831 08-04-1987 **HOJBOGARD** BIOGASTEKNOLOGI WO0224630 03-28-2002 **B5** ELI LILLY & CO. WO0015609 **MIGNANI** 03-23-2000 **B6 B7** WO0164634 **AVENTIS PHARMA** 09-07-2001 S.A. **AVENTIS PHARMA** 04-11-2002 **B8** WO0228346 S.A. **B9 AVENTIS PHARMA** WO0164632 09-07-2001 **AVENTIS PHARMA B10** WO0164633 09-07-2001 S.A. B11 WO0132663 SANOFI-05-10-2001 **SYNTHELABO** WO0046209 SANOFI-08-10-2000 B12

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**SYNTHELABO** 

**BRISTOL-MYERS** 

05-29-1997

08-16-2001

**SANOFI** 

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Thirique citation designation number. See attached Kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English larguage Translation or abstract is attached.

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| Application Number     | 10/626,681    |
| Filing Date            | July 24, 2003 |
| First Name Inventor    | Alanine       |
| Group Art Unit         |               |
| Examiner Name          |               |
| Attorney Docket Number | 21237         |

NON PATENT LITERATURE DOCUMENTS

|                       |     | NON PATENT LITERATURE DOCUMENTS   |                |
|-----------------------|-----|---|----------------|
| Examiner Cite No. 1   |     | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
| iv                    | C1  | D. Shire, et. al, J. Biol. Chem. 270 (8) (1995) 3726-31   |                |
|                       | C2  | S. Munro, et. al. Nature 365 (1993) 61-61   |                |
|                       | C3  | Y. Gaoni, et. al. J. Am. Chem. Soc, 86 (1964) 16  |                |
|                       | C4  | R. Mechoulam (Ed.) in "Cannabinoids as therapeutic Agents",   |                |
|                       |     | (1986), pp. 1-20, CRC Pr  |                |
|                       | C5  | E.M. Williamson, F. J. Evans, Drugs 60 (6) (2000) 1303-1314   |                |
|                       | C6  | R. G. Pertwee, Curr. Med. Chem., 6 (8) (1999) 635-664   |                |
|                       | C7  | W.A. Devane, et. al. Science 258 (1992) 1946-9  |                |
|                       | C8  | V. Di Marzo, et. al., Trends in Neuroscience 21 (12) (1998) 521-8   |                |
|                       | C9  | A.C. Porter, C.C. Felder, Pharmacol. Ther., 90 (1) (2001) 45-60   | -              |
|                       | C10 | C.M. Williams, T.C. Kirkham, Psychopharmacology 143 (3)   |                |
|                       |     | (1999) 315-317  |                |
|                       | C11 | C.C. Felder, et. al., Proc. Natl. Acad. Sci. USA 90 (16) (1993)   |                |
|                       |     | 7656-7660   |                |
|                       | C12 | G. Colombo, et. al., Life Sci. 63 (8) (1998) L113-PL117   |                |
|                       | C13 | V. Di Marzo, et. al., Nature 410 (6830) 822-825   |                |
|                       | C14 | F. Barth, et. al. "Cannabinoid antagonists: From research tools   |                |
|                       |     | to potential new drugs", Abstracts of Papers, 222nd ACS   |                |
| 1                     |     | National Meeting, Chicago, IL, United States, August 26-30,   |                |
|                       |     | 2001  |                |
|                       | C15 | AAI; M. Pacheco, et. al. Exp. Ther. 257 (1) (1991) 170-183  |                |
|                       | C16 | F.M. Casiano, et. al. NIDA Res. Monogr. 105 (1991) 295-6  |                |
|                       | C17 | AM630, K. Hosohata, et. al. Life. Sci 61 (1997) 115-118   |                |
| į                     | C18 | R. Pertwee, et. al., Life Sci. 56 (23-24) (1995) 1949-55  |                |
|                       | C19 | LY320135, C.C. Felder, et. al., J. Pharmacol. Exp. Ther. 284,   |                |
|                       | Ì   | (1) (1998) 291-297 disclosed in WO9602248   |                |
|                       | C20 | M. Kanyonyo, et. al., Bioorg. Med. Chem. Lett. 9 (15) (1999) 2233-2236  |                |
| a                     | C21 | F. Ooms, et. al., J. Med. Chem. 45 (9) (2002) 1748-1756   |                |
| Examiner<br>Signature |     | Cly CONSIDERED U/~3/0L  | <del></del>    |

\*EXAMINER: Initial if reference considered, whether or not kilation is in conformance with MPEP 609. Draw line through cristion if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*Unique citation designation number. \*Applicant is to place a check mark here if English language Translation or abstract is attached.

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